

Figure 1.

```
1 mdvtiqhpwf krtlgpfyps rlfdqffgeg lfeydlpfl sstispyyrq slfrtvldsg
61 isevrsdrdk fvifldvkhf spedltvkvg ddfveihgkh nerqddhgyi srefhrryrl
121 psnvdsals csldsagmlt fcgpkigtgl dathaeraip vsreekptsa pss
```

Figure 2.

```
1 tccctcttcc gcaccgtgct ggactccggc atctctgagg ttcgatccga cggggacaag
61 ttctgatcatc tcctcgatgt gaagcacttc tccccggagg acctcaccgt gaaggtgcag
121 gacgactttg tggagatcca cggaaagcac aacgagcgcc aggacgacca cggctacatt
181 tcccgtagt tccaccgccc ctaccgctg ccgtccaacg tggaccagtc ggccctctct
241 tgctccctgt ctgccgatgg catgctgacc ttctgtggcc ccaagatcca gactggcctg
301 gatgccaccc acgccgagcg agccatcccc gtgtcgcggg aggagaagcc cacctcggct
361 ccctcgctcct aa
```

Figure 3.

```
1 slfrtvldsg isevrsdrdk fvifldvkhf spedltvkvg ddfveihgkh nerqddhgyi
61 srefhrryrl psnvdsals csldsagmlt fcgpkigtgl dathaeraip vsreekptsa
121 pss
```

2495337
hs12_caeel_2
hs11_orysa_1
hs11_pea_1
SP21_STIAU
hs27_mouse_3
craa_bovin_1
crab_bovin_1
cra2_mouse_1

```
mford.....pfdslfermfkeffatpmtgttmiostt.....
MSL.....YHYFRPAQORSVFGLMRDMALM.....
MSLV.....RR.....SNVFD.PFSLDLWDPF.DSVFRSVV.....
MSLI...PSFFSGRR.....SNVFD.PFSLDVWDPLKDFPFSNSS.....
MADLSV.....RRCTGST.....PORTREWD.PFOOMOELMNW.DPFEIAN.....
MTERRV..PFSLLRSPSWEPFRDWYPASRLFDQAFGVRLPDEW.SQWFSAACWPGYVR
MDIAIQH.PWF..KRTLG...PFY..PSRLFDQFFGEGLEFYDIL.PFLSSTISPYIRO
MDIAIHH.PWI..RRPFF...PFH.SPSRLFDQFFGEGHLLIESDLF..PASTSLSPFYLR
MDVTIOH.PWF..KRALG...PFY..PSRLFDQFFGEGLEFYDIL.PFLSSTISPYIRO
```

2495337
hs12_caeel_2
hs11_orysa_1
hs11_pea_1
SP21_STIAU
hs27_mouse_3
craa_bovin_1
crab_bovin_1
cra2_mouse_1

```
.....gigisckg..fmpisile.....
.....EROFAPVCRIS...PSESSEIV.....
.....PATSDNDT.AAFANARIDW.....K
.....PSASFPRENPAFVSTRVDW.....K
.....HPWFANROCP.PAFVPAFEV.....R
PLPAATAEGPAAVTLAA.PAFSRALNROLSSGVSET.....R
.....SLFRTV...LDSGISEV.....R
.....PPSFLRAPSW.IDTGLSEM.....R
.....SLFRTV...LDSGISELMTHMWFVNMHOPHAGNPKNNPVKVR
```

2495337
hs12_caeel_2
hs11_orysa_1
hs11_pea_1
SP21_STIAU
hs27_mouse_3
craa_bovin_1
crab_bovin_1
cra2_mouse_1

```
dgghikvialwl..pavnkediilnavgd.tleirakrsplmitaser.iilyseipeeeeliy
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ETPESHVFKADLPQVKKEEVKVEVEECNVLVISGORSKEKEDKNDKWHERVERSS..GQFM
ETPEAHVFKADLPGLKKEEVKVEVEDDRVLQISGERSVEKEDKNDKWHERVERSS..GKFL
ETKEAYIFKADLPQVDEKDIIEVTLTCD.RVSVSGKREKREKREESERFYAYERTF..GSFS
QTADRWRVSLDVNHFAPPEELTVKTKEG.VVEITGKHEERO.....DEHGYISR...CFT
SDRDKFVIFLDVKHFSPEDLTVKVOED.FVEIHGKHNERO.....DDHGYISR...EF
LEKDRFSVNLDVKHFSPEELKVKVLCD.VIEVHGKHEERO.....DEHGYISR...EF
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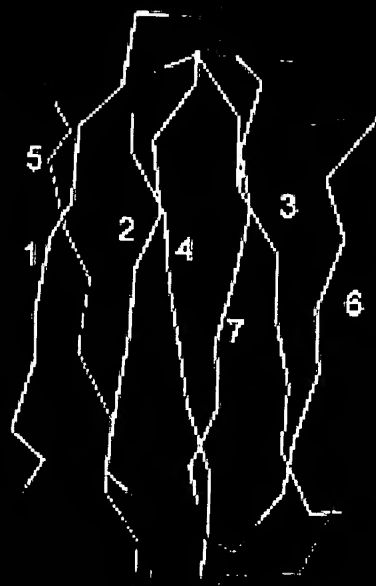
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hs11_orysa_1
hs11_pea_1
SP21_STIAU
hs27_mouse_3
craa_bovin_1
crab_bovin_1
cra2_mouse_1

```
rtiklpatvke.enasakfengvlsvilpkaessi.kk.ginie.~~~~~.~~~~~
RVILIPEDVDVGAVASNLSEDGKLSIEAPKKEAVOGRSIPIOQAIV..EEKSAE~~~~~
RRFRLPENAKV.DQVKAQLENGVLTVTVPKAEV...KK.PEVKAI...EISG.....
RRFRLPENAKM.DKVKASMEGVLTVTVPKKEI...KK.AEVKSI...EISG.....
RAFTLPEGVDG.DNVRADLKNGVLTTLTPKRPEV.OPK.RIQVASSGTEOKEIKAYPAP
RKYTLPPGVDPPTLVSSSLSPGTLTVEAPLPKAV..TQSAEITIPVTFEARAQIGGPEAG
RRYRLPSNVDSALSCSLSDGMLTFSGPKIPSGVDAGHSERAI PVSREEKPSSAPSS~~
RKYRIPADVDP LAITSSSLSDGVLTVNGPRKO...ASC PERTIPITREEKPAVTAAP..
RRYRLPSNVDSALSCSLSDGMLTFSGPKVOSGLDAGHSERAI PVSREEKPSSAPSS~~
```

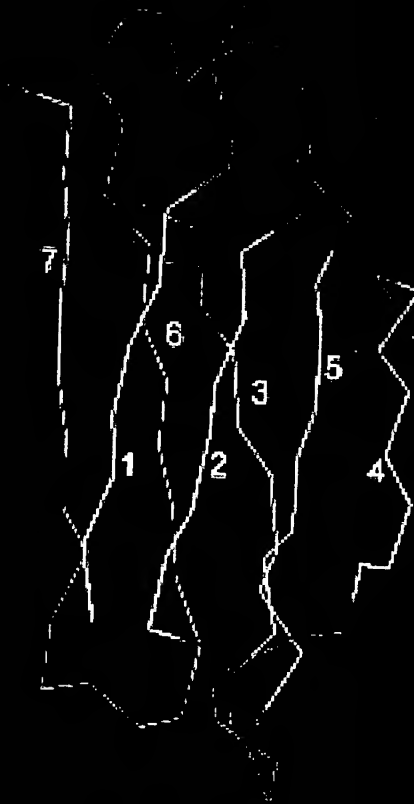
2495337
hs12_caeel_2
hs11_orysa_1
hs11_pea_1
SP21_STIAU
hs27_mouse_3
craa_bovin_1
crab_bovin_1
cra2_mouse_1

```
~~~~~
~~~~~
.....~~~~~
.....~~~~~
AEPGLAAPLCWPGFS~~~~~
KSEOSGAK~~~~~
~~~~~
.KK~~~~~
~~~~~
```

Figure s 4A and 4B



HSP16



FCC

Figure 6



Figur 7A

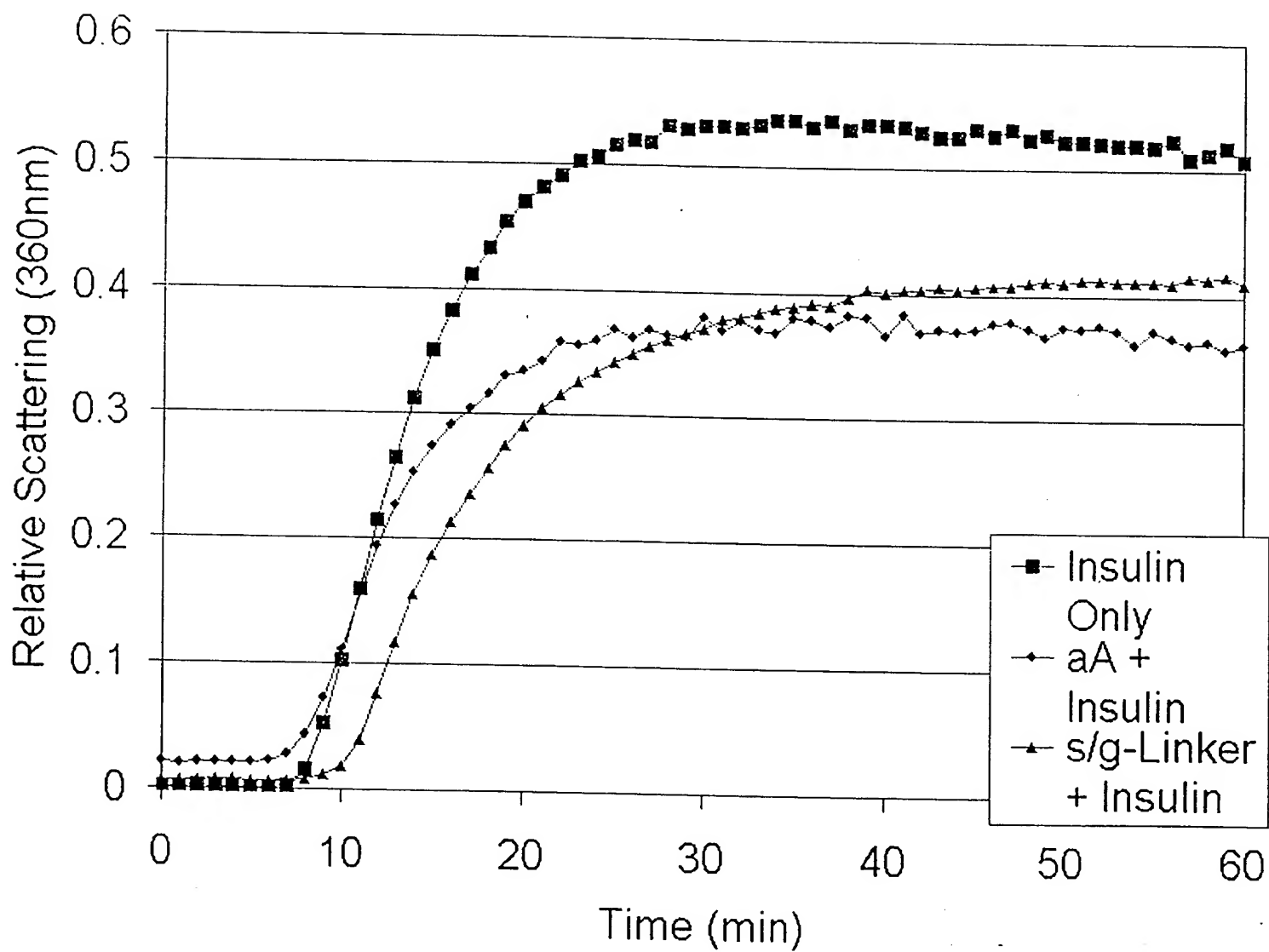


Figure 8

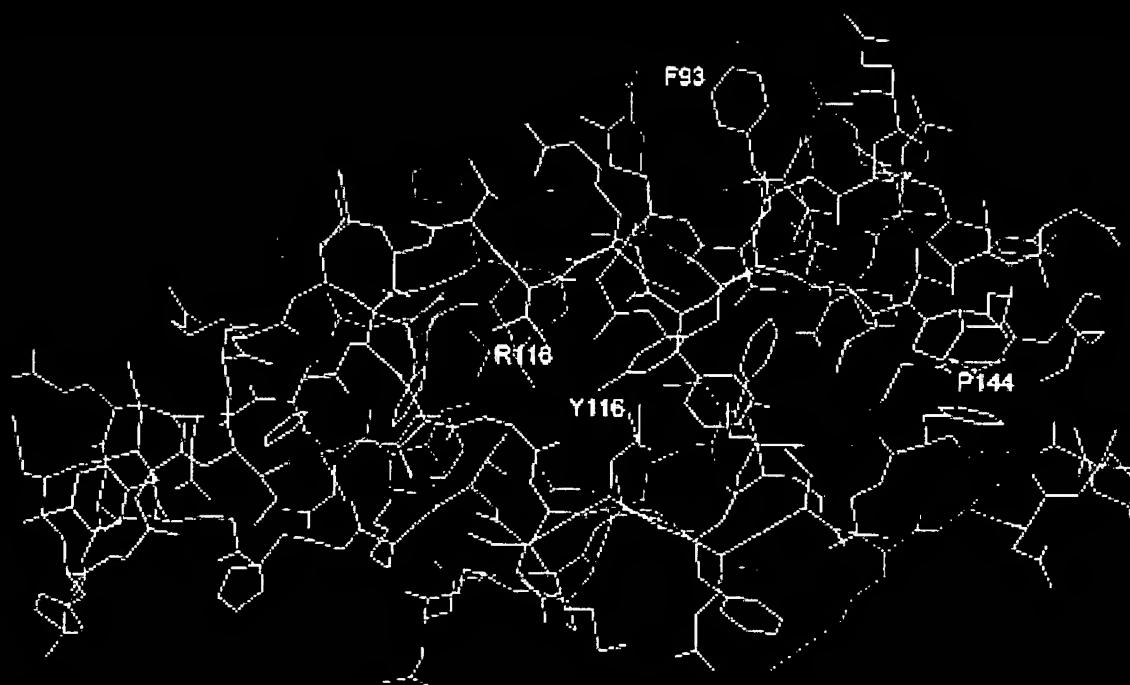


Figure 7B